

**Career Pathway: Science, Math, and Health**

Program Description: The Associate of Science in Biology for Transfer Degree program is designed to provide entry-level skills and knowledge for a student transferring to a 4-year institution with a major in Biology. The degree provides students with a comprehensive knowledge of the scientific study of living organisms. The degree provides students with an understanding of the major theoretical perspectives in biology, knowledge about and the ability to use biological concepts in the analysis of scientific phenomena, opportunities to develop critical thinking as well as written and oral communication skills utilizing a biological perspective, an understanding of chemical and physical concepts relevant to living organisms, and qualitative and quantitative research skills.

Course ID	Course Title	Units	To-Do List
<b>Semester 1</b>			
MATH-001A	Introduction to Calculus	5	1) Meet with your Advisor to confirm path & develop your 1st year Abbreviated Educational Plan. 2) Apply for financial aid and follow-up with financial aid department. 3) Begin research on four-year schools. Find out minimum transfer GPA, course & major requirements. <a href="#">JobSpeaker</a>  <a href="#">O*NET</a>
ENG-001A*	Composition and Reading	3	
NC-200**	College Reading and Writing Preparedness	0	
STUDEV-001	College Success	3	
CHEM-001A*	General Chemistry I	5	
<b>Total Semester 1 Units</b>		<b>16</b>	
<b>Semester 2</b>			
CHEM-001B*	General Chemistry II	5	1) Meet with your Counselor to discuss your progress & complete your Comprehensive Educational Plan. 2) Meet with your Faculty Mentor to discuss program pathway, career options, & finalize class options.
ENG-003*	Critical Thinking and Writing	3	
COM-001*	Elements of Speech	3	
GEOG-003	Cultural Geography	3	
<b>Total Semester 2 Units</b>		<b>14</b>	
<b>Semester 3</b>			
HIST-017A or HIST-017B	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	1) Prepare documentation for college application & apply to four-year schools of choice by the deadline. 2) Begin seeking four-year funding outlets such as scholarships & aid. 3) Renew financial aid.
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
BIO-001A*	Cell and Molecular Biology	4	
PHYSICS-002A*	Mechanics and Thermodynamics	4	
<b>Total Semester 3 Units</b>		<b>14</b>	
<b>Semester 4</b>			
BIO-001B*	Organismal Biology	4	<b>1) Petition to Graduate to receive your degree &amp; commencement ceremony information.</b>
PHYSICS-002B*	Electricity, Magnetism, Optics and Modern Physics	4	
ES-001	Introduction to Ethnic Studies	3	
PHIL-001 or PHIL-003	Introduction to Philosophy or Introduction to Ethics	3	
POLSCI-001	American Government	3	
<b>Total Semester 4 Units</b>		<b>17</b>	
<b>Total Program Units</b>		<b>61</b>	

\*A grade of "C" or higher required for ENG, MATH, COM and all major courses.

\*\*If placement requires concurrent enrollment in support course.

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Course ID	Course Title	Units	To-Do List
<b>Semester 1</b>			
MATH-001A	Introduction to Calculus	5	1) Meet with your Advisor to confirm path & develop your 1st year Abbreviated Educational Plan. 2) Apply for financial aid and follow-up with financial aid department.
ENG-001A*	Composition and Reading	3	
NC-200**	College Reading and Writing Preparedness	0	
<b>Total Semester 1 Units</b>		<b>8</b>	
<b>Semester 2</b>			
STUDEV-001	College Success	3	1) Begin research on four-year schools. Find out minimum transfer GPA, course & major requirements. 2) Begin research on careers using JobSpeaker and O*NET
CHEM-001A*	General Chemistry I	5	
<b>Total Semester 2 Units</b>		<b>8</b>	
<b>Semester 3</b>			
CHEM-001B*	General Chemistry II	5	1) Renew financial aid.
ENG-003*	Critical Thinking and Writing	3	
<b>Total Semester 3 Units</b>		<b>8</b>	
<b>Semester 4</b>			
COM-001*	Elements of Speech	3	1) Meet with your Counselor to discuss your progress & complete your Comprehensive Educational Plan. 2) Meet with your Faculty Mentor to discuss program pathway, career options, & finalize class options.
GEOG-003	Cultural Geography	3	
<b>Total Semester 4 Units</b>		<b>6</b>	
<b>Semester 5</b>			
HIST-017A or HIST-017B	History of the United States 1492-1877 or History of the United States 1865-PRESENT	3	1) Renew financial aid.
ART-042 or MUS-042	Art Appreciation or Music Appreciation	3	
<b>Total Semester 5 Units</b>		<b>6</b>	
<b>Semester 6</b>			
BIO-001A*	Cell and Molecular Biology	4	1) Prepare documentation for college application & apply to four-year schools of choice by the deadline. 2) Begin seeking four-year funding outlets such as scholarships & aid.
PHYSICS-002A*	Mechanics and Thermodynamics	4	
<b>Total Semester 6 Units</b>		<b>8</b>	
<b>Semester 7</b>			
BIO-001B*	Organismal Biology	4	1) Renew financial aid.
PHYSICS-002B*	Electricity, Magnetism, Optics and Modern Physics	4	
<b>Total Semester 7 Units</b>		<b>8</b>	
<b>Semester 8</b>			
ES-001	Introduction to Ethnic Studies	3	1) <b>Petition to Graduate degree &amp; commencement ceremony information.</b>
PHIL-001 or PHIL-003	Introduction to Philosophy or Introduction to Ethics	3	
POLSCI-001	American Government	3	
<b>Total Semester 8 Units</b>		<b>9</b>	
<b>Total Program Units</b>		<b>61</b>	

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\*\*if placement requires concurrent enrollment in support course.